

INCH-POUND

AN3306  
REVISION 5  
15 January 2002  
SUPERSEDING  
REVISION 4  
27 July 1956

# DETAIL SPECIFICATION SHEET

RELAY, 10 AMP, 2 PDT, SEALED,  
CONNECTOR MOUNTING, CLASS O

Inactive for new design after 17 November 1954.  
No superseding document.

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the relay described herein shall  
consist of this specification and the latest issue of MIL-PRF-6106.

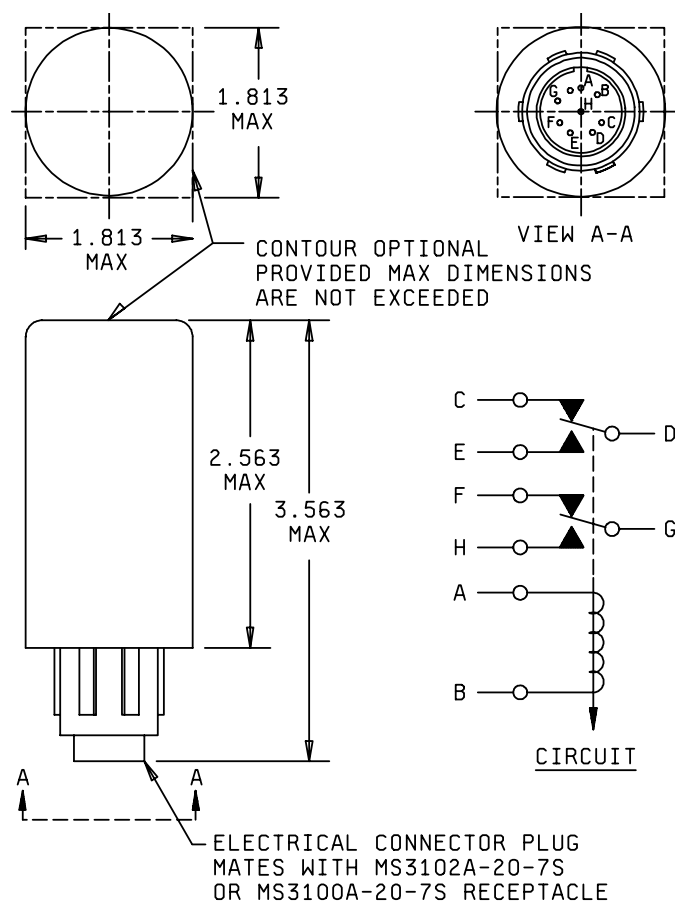


FIGURE 1. Configurations and dimensions.

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Inches	mm
.016	0.040
1.813	4.604
2.563	6.509
3.563	9.049

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance are  $\pm 0.016$  (0.040 mm).

FIGURE 1. Configurations and dimensions - Continued.

REQUIREMENTS

Operating cycles: 50,000 minimum.

Contact data:

Contact voltage drop:

Initial: 0.150 volt maximum. Applicable only for AN3306-2.

After life: 0.175 maximum. Applicable only for AN3306-2.

Load ratings: See Table I.

TABLE I - Rated contact load (per pole).

Type of load	Amperes
Resistive (DC)	10
Resistive (AC 400 Hz, 115 volts)	10
Inductive	10
Motor	6

Overload current: See MIL-PRF-6106. Not applicable to AN3306-1.

Rupture current: See MIL-PRF-6106. Not applicable AN3306-1.

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Coil data:

Nominal coil voltage: 28 volts.  
Maximum operating voltage: 29 volts.  
Pickup voltage: 18 volts.  
Hold voltage: 7 volts  
Dropout voltage: 1.5 volts.  
Rated duty: Continuous.  
Coil current: 0.35 amperes, maximum.

Physical data:

Weight: 0.5 pounds, maximum.  
Qualification by similarity: See MIL-PRF-6106.  
Retention of qualification: To retain qualification, the manufacturer shall submit group A acceptance reports on a yearly basis to the qualifying activity.  
Quality conformance inspection: Performance of groups B and C tests are not applicable.  
Part or Identifying Number (PIN): AN3306-1 and AN3306-2.  
AN3306-2 relays shall meet the mixed loads current requirements specified in MIL-PRF-6106. The relay shall be equipped with a glass to metal sealed electrical connector.  
Supersession information: Supersedes USAF Drawing 50B6186.

Custodian:  
Army - AV  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5945-1126-02)

Review activity:  
Air Force - 99